

17638 U.S. PTO  
07/17/03

Atty. Dkt. No. 034474-0106

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Joseph M. Jacobson et al.  
Title: MOLECULAR ASSEMBLY LINES,  
MEMORY, SHIFT REGISTERS,  
AND BI-STABLE SWITCHES  
Appl. No.: Unknown  
Filing Date: Unknown  
Examiner: Unknown  
Art Unit: Unknown

03508 U.S. PTO  
10/622126  
07/17/03

**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Joseph M. Jacobson  
233 Grant Street  
Newton, Massachusetts 02159

David W. Mosley  
107 Columbia Street, #1  
Cambridge, Massachusetts 02139

Brian Chow  
280 Harvard Street, Apt. LC  
Cambridge, Massachusetts 02139

[ ] Applicant claims small entity status under 37 CFR 1.27.

## Enclosed are:

- ☒ Specification, Claim(s), and Abstract (45 pages).
- ☒ Formal drawings (31 sheets, Figures 1-22).
- ☒ Unexecuted Declaration and Power of Attorney (4 pages).
- ☐ Assignment of the invention to ASSIGNEE\_COMPANY\_NAME.
- ☐ Assignment Recordation Cover Sheet.
- ☐ Small Entity statement.
- ☐ Request for application not to be published with certification under 35 USC 122(b)(2)(B)(i).
- ☐ Information Disclosure Statement.
- ☐ Form PTO/SB/08 with copies of \_\_\_ listed reference(s).
- ☒ Application Data Sheet (37 CFR 1.76).
- ☐ Claim for Convention Priority.

## The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Fee				\$750.00	\$750.00
Total Claims:	50	- 20	= 30	x \$18.00	= \$540.00
Independents:	9	- 3	= 6	x \$84.00	= \$504.00
If any Multiple Dependent Claim(s) present:				+ \$280.00	= \$0.00
Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration and late payment of filing fee				+ \$130.00	= \$130.00
				SUBTOTAL:	= \$1924.00
<input type="checkbox"/> Small Entity Fees Apply (subtract ½ of above):					= \$0.00
				TOTAL FILING FEE:	= \$1,924.00

- ☐ A check in the amount of \$0.00 to cover the filing fee is enclosed.
- ☒ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.

- [ ] The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-2350. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-2350.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date 7/17/03

FOLEY & LARDNER

Customer Number: 23524



23524

PATENT TRADEMARK OFFICE

Telephone: (608) 258-4305

Facsimile: (608) 258-4258

By Michelle Manning

Michelle Manning

Attorney for Applicant

Registration No. 50,592

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Joseph M. Jacobson et al.

Date: July 17, 2003

Title: **MOLECULAR ASSEMBLY LINES, MEMORY, SHIFT REGISTERS, AND  
BI-STABLE SWITCHES**

Docket No.: 034474-0106

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

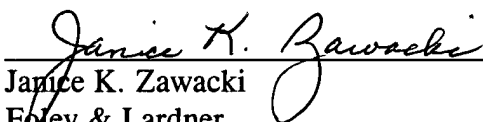
"Express Mail" Mailing Label No.: EV 246426325 US  
Date of Deposit: July 17, 2003

I hereby certify that these attached documents

- \* Patent Application Transmittal (3 pages)
- \* Patent Application (45 total pages: Spec. - 35 pages; Claims - 9 pages; Abstract - 1 page)
- \* Declaration and Power of Attorney (unsigned) (4 pages)
- \* Thirty-one (31) Sheets of Formal Drawings (Figs. 1-22)
- \* Application Data Sheet (4 pages)
- \* Return postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Enclosed for filing please find the above-referenced utility patent application. Please indicate receipt of this utility patent application by returning the attached postcard with the official Patent and Trademark Office receipt stamped thereon.

  
\_\_\_\_\_  
Janice K. Zawacki  
Foley & Lardner  
P. O. Box 1497  
Madison, Wisconsin 53701-1497  
(608) 257-5035